Author Index

Abberton, M.T. *see* Marshall, A.H.
Abberton, M.T. *see* Williams, T.A.
de Aldana, B.R.V. *see* Zabalgogeazcoa, I.
Amoah, E.A. *see* Terrill, T.H.
Arnold, G.C. *see* Griffiths, W.M.

Barrett, P.D., McGilloway, D.A., Laidlaw, A.S. and Mayne, C.S. The effect of sward structure as influenced by ryegrass genotype on bite dimensions and short-term intake rate by dairy cows 2
Baumont, R. *see* Garcia, F.
Benjamin, L.R. *see* Koivisto, J.M.
Bertilsson, J. and Murphy, M. Effects of feeding clover silages on feed intake, milk production and digestion in dairy cows 309
Boer, H. *see* Elgersma, A.
Bolton, G.R. *see* Marriott, C.A.

Carrère, P. *see* Garcia, F.
Case, S.J. *see* Gange, A.C.
Chapman, D.F. *see* Tharmaraj, J.
Chen, Z.Z. *see* Wang, Y.F.
Ciudad, A.G. *see* Zabalgogeazcoa, I.
Clua, A.A. and Gimenez, D.O. Environmental factors during seed development of narrow-leaved bird's-foot-trefoil (*Lotus tenuis*) influencing subsequent dormancy and germination 333
Cone, J.W. *see* Hetta, M.
Cope, D.R., Rowcliffe, J.M. and Pettifor, R.A. Sward height, structure and leaf extension rate of *Lolium perenne* pastures when grazed by overwintering barnacle geese 70
Correll, O., Isselstein, J. and Pavlu, V. Studying spatial and temporal dynamics of sward structure at low stocking densities: the use of an extended rising-plate-meter method(Research Note) 450
Criado, B.G. *see* Zabalgogeazcoa, I.
Cui, X.Y. *see* Wang, Y.F.

Dalziel, A.J.I. *see* Sibbald, A.R.
Davies, D.A. *see* Sibbald, A.R.
Davies, W.P. *see* Koivisto, J.M.
Delaby, L. *see* Duru, M.
Diepenbrock, W. *see* Hesse, U.
Dong, S.K., Long, R.J., Hu, Z.Z., Kang, M.Y. and Pu, X.P. Productivity and nutritive value of some cultivated perennial grasses and mixtures in the alpine region of the Tibetan Plateau 302
Duru, M. and Delaby, L. The use of herbage nitrogen status to optimize herbage composition and intake and to minimize nitrogen excretion: an assessment of grazing management flexibility for dairy cows 350

Easson, D.L. and Fearnehough, W. The ability of the Ontario heat unit system to model the growth and development of forage maize sown under plastic mulch 372
Egan, A.R. *see* Tharmaraj, J.
Elgersma, A. and Schlepers, H. Effects of white clover cultivar and companion grass on winter survival of seedlings in autumn-sown swards (Research Note) 215
Elgersma, A., Ellen, G., van der Horst, H., Muuse, B.G., Boer, H. and Tamminga, S. Influence of cultivar and cutting date on the fatty acid composition of perennial ryegrass (*Lolium perenne* L.) 323
Ellen, G. *see* Elgersma, A.
Evans, P.R. *see* Moorby, J.M.

Fearnehough, W. *see* Easson, D.L.
Ferris, C.P., Gordon, F.J., Patterson, D.C., Mayne, C.S. and McCoy, M.A. A short-term comparison of the performance of four grassland-based systems of milk production for autumn-calving dairy cows 192
Ferris, C.P., Patterson, D.C., Gordon, F.J. and Kilpatrick, D.J. The effect of concentrate feed level on the response of lactating dairy cows to a constant proportion of fodder beet inclusion in a grass silage-based diet 17
Fisher, J.M. *see* Marriott, C.A.
Förster, K. *see* Hesse, U.
Fothergill, M. *see* Sibbald, A.R.
Fraser, M.D. *see* Marley, C.L.
Fychan, R. *see* Marley, C.L.

Gange, A.C. and Case, S.J. Incidence of microdochium patch disease in golf putting greens and a relationship with arbuscular mycorrhizal fungi 58
Garcia, F., Carrère, P., Soussana, J.F. and Baumont, R. How do severity and frequency of grazing affect sward characteristics and the choices of sheep during the grazing season? 138
Gelaye, S. *see* Terrill, T.H.
Ghanbari-Bonjar, A. and Lee, H.C. Intercropped wheat (*Triticum aestivum* L.) and bean (*Vicia faba* L.) as a whole-crop forage: effect of harvest time on forage yield and quality 28

Gimenez, D.O. *see* Clua, A.A.
Gordon, F.J. *see* Ferris, C.P.
Griffiths, W.M., Hodgson, J. and Arnold, G.C. The influence of sward canopy structure on foraging decisions by grazing cattle. I. Patch selection 112
Griffiths, W.M., Hodgson, J. and Arnold, G.C. The influence of sward canopy structure on foraging decisions by grazing cattle. II. Regulation of bite depth 125
Gustavsson, A.-M. *see* Hetta, M.
Gyulai, G., Mester, Z., Kiss, J., Szeman, L., Idnurm, A. and Heszky, L. Somaclonal breeding of reed canarygrass (*Phalaris arundinacea* L.) 210

Haneklau, S. *see* Wang, Y.F.
Hardaker, J.B. *see* Lien, G.
Hedderley, D.I. *see* López, I.F.
Hegrenes, A. *see* Lien, G.
Hesse, U., Schöberlein, W., Wittenmayer, L., Förster, K., Warnstorff, K., Diepenbrock, W. and Merbach, W. Effects of *Neotyphodium* endophytes on growth, reproduction and drought-stress tolerance of three *Lolium perenne* L. genotypes 407
Heszky, L. *see* Gyulai, G.
Hetta, M., Cone, J.W., Gustavsson, A.-M. and Martinsson, K. The effect of additives in silages of pure timothy and timothy mixed with red clover on chemical composition and *in vitro* rumen fermentation characteristics 249
Hill, J. *see* Hillman, J.P.
Hill, J. *see* Wilkinson, J.M.
Hillman, J.P., Hill, J., Morgan, J.E. and Wilkinson, J.M. Recycling of sewage sludge to grassland: a review of the legislation to control of the localization and accumulation of potential toxic metals in grazing systems (Review Article) 101
Hodgson, J. *see* Griffiths, W.M.
Hodgson, J. *see* López, I.F.
van der Horst, H. *see* Elgersma, A.
Hu, Z.Z. *see* Dong, S.K.

Idnurm, A. *see* Gyulai, G.
Isselstein, J. *see* Correll, O.

Jones, J.R. *see* Sibbald, A.R.
Jones, R. *see* Marley, C.L.

Kang, M.Y. *see* Dong, S.K.
Keane, G.P., Kelly, J., Lordan, S. and Kelly, K. Agronomic factors affecting the yield and quality of forage maize in Ireland: effect of plastic film system and seeding rate 362
Kelly, J. *see* Keane, G.P.
Kelly, K. *see* Keane, G.P.
Ketelaars, J.J.M.H. *see* Schut, A.G.T.
Kilpatrick, D.J. *see* Ferris, C.P.
Kiss, J. *see* Gyulai, G.
Klemenčič, S. *see* Kramberger, B.
Koivisto, J.M., Benjamin, L.R., Lane, G.P.F. and Davies, W.P. Forage potential of semi-leafless grain peas (Research Note) 220
Kramberger, B. and Klemenčič, S. Effect of harvest date on the chemical composition and nutritive value of *Cerastium holosteoides* 12
Kristensen, A.R. *see* Lien, G.

Laidlaw, A.S. *see* Barrett, P.D.
Lambert, M.G. *see* López, I.F.
Lane, G.P.F. *see* Koivisto, J.M.
Leaver, J.D. *see* Pulido, R.G.
Lee, H.C. *see* Ghanbari-Bonjar, A.
Lien, G., Kristensen, A.R., Hegrenes, A. and Hardaker, J.B. Optimal length of leys in an area with winter damage problems 168
Long, R.J. *see* Dong, S.K.
López, I.F., Hodgson, J., Hedderley, D.I., Valentine, I. and Lambert, M.G. Selective defoliation by sheep according to slope and plant species in the hill country of New Zealand 339
Lordan, S. *see* Keane, G.P.
Lücke, W. *see* Snell, H.G.J.

McCoy, M.A. *see* Ferris, C.P.
McGechan, M.B. Modelling phosphorus leaching to watercourses from extended autumn grazing by cattle 151
McGilloway, D.A. *see* Barrett, P.D.
McKendrick, E.J., Roberts, D.J. and Offer, N.W. The value of malt distillers' grains ensiled with molassed sugar beet pellets as a feed for dairy cows 287
McNeil, D.L. *see* Peri, P.L.
Mahotiere, S. *see* Terrill, T.H.
Marley, C.L., Fychan, R., Fraser, M.D., Winters, A. and Jones, R. Effect of sowing ratio and stage of maturity at harvest on yield, persistency and chemical composition of fresh and ensiled red clover/lucerne bi-crops 397
Marriott, C.A., Bolton, G.R. and Fisher, J.M. Changes in species composition of abandoned sown swards after imposing seasonal cutting treatments 37
Marshall, A.H., Abberton, M.T., Williams, T.A., Michaelson-Yeates, T.P.T. and Powell, H.G. Forage quality of *Trifolium repens* L. × *T. nigrescens* Viv. hybrids 295
Marshall, A.H., Williams, A., Abberton, M.T., Michaelson-Yeates, T.P.T. and Powell, H.G. Dry matter production of white clover (*Trifolium repens* L.), Caucasian clover (*T. ambiguum* M. Bieb.) and their associated hybrids when grown with a grass companion over 3 harvest years 63
Martinsson, K. *see* Hetta, M.

Maxwell, T.J. *see* Sibbald, A.R.
Mayne, C.S. *see* Barrett, P.D.
Mayne, C.S. *see* Ferris, C.P.
Merbach, W. *see* Hesse, U.
Mester, Z. *see* Gyulai, G.
Michaelson-Yeates, T.P.T. *see* Marshall, A.H.
Miller, S. *see* Terrill, T.H.
Milne, J.A. Editorial 1
Moorby, J.M., Evans, P.R. and Young, N.E. Nutritive value of barley/kale bi-crop silage for lactating dairy cows 184
Moot, D.J. *see* Peri, P.L.
Morgan, J.E. *see* Hillman, J.P.
Munro, J.M.M. *see* Sibbald, A.R.
Murphy, M. *see* Bertilsson, J.
Muuse, B.G. *see* Elgersma, A.

Nevens, F. and Rehuel, D. Effects of cutting or grazing grass swards on herbage yield, nitrogen uptake and residual soil nitrate at different levels of N fertilization 431

Oberndorfer, C. *see* Snell, H.G.J.
Offer, N.W. *see* McKendrick, E.J.

Patterson, D.C. *see* Ferris, C.P.
Pavlu, V. *see* Correll, O.
Peri, P.L., Moot, D.J. and McNeil, D.L. A canopy photosynthesis model to predict the dry matter production of cocksfoot pastures under varying temperature, nitrogen and water regimes 416
Pettifor, R.A. *see* Cope, D.R.
Porter, M.G. *see* Steen, R.W.J.
Powell, H.G. *see* Marshall, A.H.
Pu, X.P. *see* Dong, S.K.
Pulido, R.G. and Leaver, J.D. Continuous and rotational grazing of dairy cows – the interactions of grazing system with level of milk yield, sward height and concentrate level 265

Rees, M.E. *see* Sibbald, A.R.
Rehuel, D. *see* Nevens, F.
Rhodes, I. *see* Williams, T.A.
Roberts, D.J. *see* McKendrick, E.J.
Rowcliffe, J.M. *see* Cope, D.R.

Schlepers, H. *see* Elgersma, A.
Schnug, E. *see* Wang, Y.F.
Schöberlein, W. *see* Hesse, U.
Schut, A.G.T. and Ketelaars, J.J.M.H. Assessment of seasonal dry-matter yield and quality of grass swards with imaging spectroscopy 385
Schut, A.G.T. and Ketelaars, J.J.M.H. Monitoring grass swards using imaging spectroscopy 276
Sibbald, A.R., Jones, J.R., Maxwell, T.J., Munro, J.M.M., Davies, D.A., Rees, M.E., Fothergill, M. and Dalziel, A.J.I. The implications of controlling grazed sward height for the operation and productivity of upland sheep systems in the UK: 6. The effect of reducing stocking rate and application of fertilizer nitrogen in Wales 77
Snell, H.G.J., Oberndorfer, C., Lücke, W. and Van den Weghe, H.F.A. Effects of polyethylene colour and thickness on grass silage quality 239
Soussana, J.F. *see* Garcia, F.
Steen, R.W.J. and Porter, M.G. The effects of high-concentrate diets and pasture on the concentration of conjugated linoleic acid in beef muscle and subcutaneous fat 50
Szeman, L. *see* Gyulai, G.

Tamminga, S. *see* Elgersma, A.
Terrill, T.H., Gelaye, S., Mahotiere, S., Amoah, E.A., Miller, S. and Windham, W.R. Effect of cutting date and frequency on yield and quality of kudzu in the southern United States 178
Tharmaraj, J., Wales, W.J., Chapman, D.F. and Egan, A.R. Defoliation pattern, foraging behaviour and diet selection by lactating dairy cows in response to sward height and herbage allowance of a ryegrass-dominated pasture 225

Valentine, I. *see* López, I.F.
Van den Weghe, H.F.A. *see* Snell, H.G.J.

Wales, W.J. *see* Tharmaraj, J.
Wang, S.P. *see* Wang, Y.F.
Wang, Y.F., Wang, S.P., Cui, X.Y., Chen, Z.Z., Schnug, E. and Haneklau, S. Effects of sulphur supply on the morphology of shoots and roots of alfalfa (*Medicago sativa* L.) 160
Warnstorff, K. *see* Hesse, U.
Wilkinson, J.M. and Hill, J. Effect on yield and dry-matter distribution of the stay-green characteristic in cultivars of forage maize grown in England 258
Wilkinson, J.M. *see* Hillman, J.P.
Williams, A. *see* Marshall, A.H.
Williams, T.A., Abberton, M.T. and Rhodes, I. Performance of white clover varieties combined in blends and alone when grown with perennial ryegrass under sheep and cattle grazing (Research Note) 90
Williams, T.A. *see* Marshall, A.H.
Windham, W.R. *see* Terrill, T.H.
Winters, A. *see* Marley, C.L.
Wittenmayer, L. *see* Hesse, U.

Young, N.E. *see* Moorby, J.M.

Zabalgogeazcoa, I., de Aldana, B.R.V., Ciudad, A.G. and Criado, B.G. Fungal endophytes in grasses from semi-arid permanent grasslands of western Spain (Research Note) 94